

GET READY FOR WEANING & HOUSING

2022



PREPARING YOUR CALVES FOR **WEANING**

Act now to reduce potential losses



Bovine respiratory disease (BRD) is an umbrella term used to describe airway or lung disease in cattle; the best known example being pneumonia.

Despite the availability of effective BRD vaccines and knowledge of the risk factors, BRD remains the most common cause of sickness and death in cattle greater than one month of age. The negative impacts of BRD in cattle can be lifelong. Animals with a history of respiratory disease have reduced feed conversion efficiency, lower daily weight gain and can take up to two months longer to finish! In addition, those animals that are housed in the same airspace as sick animals can take up to one month longer to finish due to the hidden effects of sub-clinical infection.

Factors influencing disease occurrence

Stressors such as parasites (e.g. lungworm), weaning, transportation and marts, all have a weakening impact on the immune system, leaving animal more at risk of infection.



**BUILDINGS
OVERSTOCKED**



WEANING



**MOVEMENT OF
ANIMALS**



MARTS



**INADEQUATE
NUTRITION**

RESPIRATORY DISEASE - MEET THE 'BIG HITTERS'

Mannheimia (Pasteurella) haemolytica

- Bacterial pathogen
- Associated with stress factors such as weaning, adverse weather, transport or viral infections
- Bacterial pneumonia causes high mortality. It is one of the most common post mortem findings in young stock submitted to the regional veterinary laboratories²
- **MSD Animal Health vaccine that provides immunity:**
 - **Bovilis Bovipast RSP**

PI3

- Viral pathogen
- Often referred to as the 'gateway' virus that allows bacteria to enter the lungs
- **MSD Animal Health vaccines that provide immunity:**
 - **Bovilis Bovipast RSP**
 - **Bovilis INtranasal RSP Live**

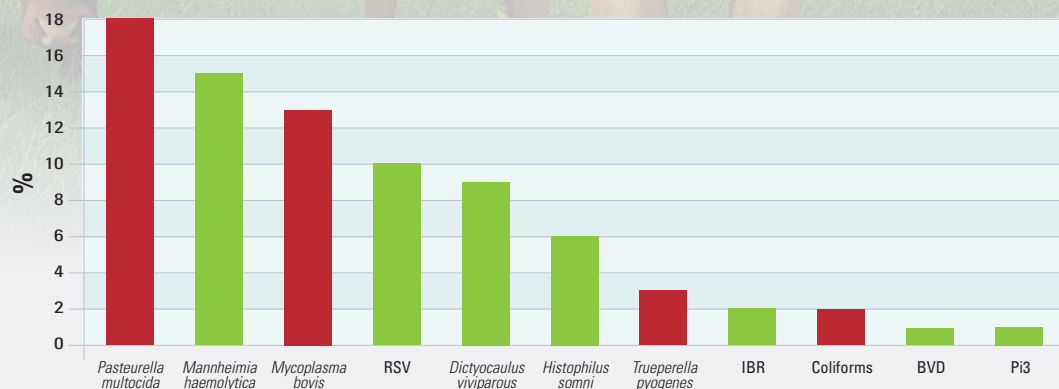
IBR

- Viral pathogen
- Almost 75% of herds in Ireland have been exposed to IBR¹
- IBR is a highly contagious and common cause of respiratory disease in cattle
- Damages the lining of the upper respiratory tract but can also cause conjunctivitis, nervous signs and generalised systemic infections
- **MSD Animal Health vaccines that provides immunity:**
 - **Bovilis IBR Marker Live**
 - **Bovilis IBR Marker Inactivated**

RSV

- Viral pathogen
- Mainly affects young naive stock²
- Stress factors (e.g. housing, overcrowding, weaning) may trigger an outbreak
- This agent can cause long-term damage to the respiratory system and chronically infected animals are thought to maintain infection in herds
- **MSD Animal Health vaccines that provide immunity:**
 - **Bovilis Bovipast RSP**
 - **Bovilis INtranasal RSP Live**

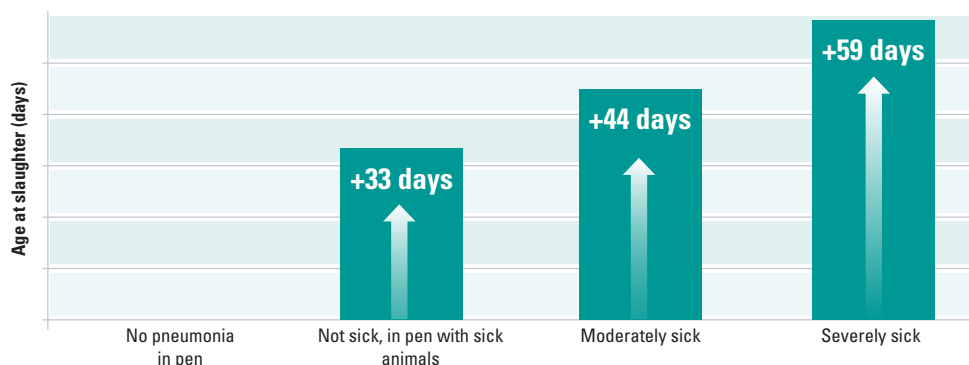
CAUSES OF RESPIRATORY DISEASE IN IRELAND²



Note: Detected in BRD cases diagnosed on post-mortem examination

Negative effects of BRD on finishing times³

Beef cattle with obvious signs of pneumonia can take over 59 days longer to finish than healthy animals. Even animals showing little or no sickness can be suffering from subclinical respiratory disease which will increase finishing times to slaughter.



VACCINATING YOUR CALVES BEEF ENVIRONMENTAL EFFICIENCY

BEEP-S Scheme Overview:

ACTION 1 (MANDATORY) – Weighing	€50 for first 10 cow/calf pairs weighed - €40 thereafter to a maximum of 100 cow/calf pairs in total
ACTION 2 (OPTIONAL)	Vaccination or Meal Feeding[^] @ €30 per calf that's weighed to a maximum of 100 calves
ACTION 3 (OPTIONAL) Can be selected in addition to Action 2	Faecal Egg Testing @ €10 per cow to a maximum of 100 cows



Closing date **25th April 2022**



€30/calf available for vaccination



Born between
1st July 2021 and **30th June 2022**



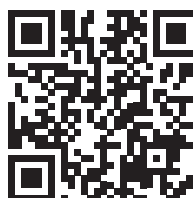
Keep Records

- Vaccine purchase receipts
- Administration dates (option selected, see next page)

Pathogens that the programme aims to protect calves against are as follows:

PATHOGEN NAME	TYPE	KNOWN AS
Respiratory Syncytial Virus	Virus	RSV
Parainfluenza-3	Virus	PI3
Bovine Herpesvirus type 1 (BoHV-1), (Infectious Bovine Rhinotracheitis)	Virus	IBR
<i>Mannheimia haemolytica</i>	Bacteria	<i>Mannheimia (Pasteurella) haemolytica</i>

Check out our vaccination protocol video



Scan with phone camera

For more information on the BEEP-S scheme check out www.bovilis.ie/BEEPS or talk to your vet

[^] Farmers **cannot** change their selection after the deadline date which was 25th April 2022

ATTLE AS PART OF THE PROGRAMME - SUCKLER SCHEME?

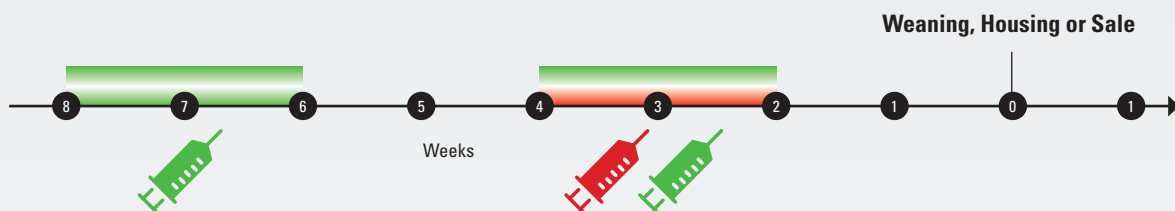
How to qualify for the vaccination payment?

Applicants must choose **one** of the following vaccination protocols to qualify for payment:

VACCINE KEY:  RSV, PI3 and *Mannheimia haemolytica*  IBR  RSV & PI3

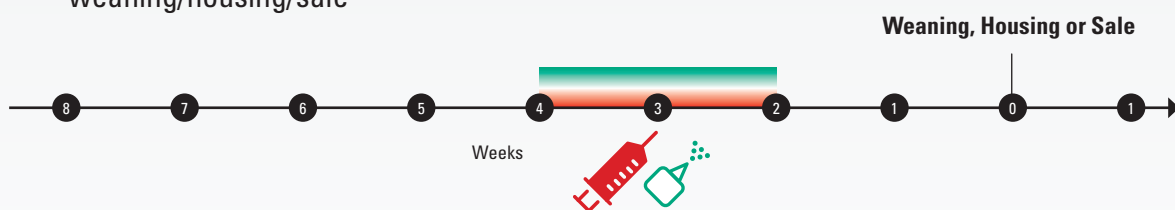
OPTION 1 (If there is adequate time before risk period and a broader coverage including bacteria is required)

- **First** subcutaneous injection of **RSV, PI3 and *Mannheimia haemolytica*** dead vaccine, **six to eight weeks** before weaning/housing/sale
- **Second** subcutaneous injection of **RSV, PI3 and *Mannheimia haemolytica*** dead vaccine, **two to four weeks** before weaning/housing/sale
- At the same time as the second injection, a **single IBR live** intramuscular, **two to four weeks** before weaning/housing/sale



OPTION 2 (If there is a short time before risk period or if cattle can only be handled once, to provide viral coverage)

- Single **RSV and PI3** intranasal live vaccine **two to four weeks** before weaning/housing/sale
- At the same time, a **single IBR live** intramuscular injection **two to four weeks** before weaning/housing/sale



See next page for products and vaccination protocols which can be used for Option 1 or Option 2

MSD Animal Health

THE BRD SOLUTIONS

Which vaccine protocol fits your farm?

MSD Animal Health is encouraging you to contact your vet prior to the autumn weaning/housing/trade period to discuss the most appropriate vaccination protocol to protect your herd. Below are general recommendations for consideration based on your herd's level of risk to each of the different pathogens.



Bovilis® INtranasal RSP™ Live

- Provides the FASTEST protection against RSV & PI3 on the market



2ml
shot



Intranasal
administration



Bovilis® Bovipast RSP

- Provides protection against RSV and PI3 viruses and the BROADEST cover against *Mannheimia haemolytica** on the market



5ml
shot



Subcutaneous
injection



Bovilis® IBR Marker Live

- Provides the FASTEST protection against IBR on the market



2ml
shot










Intramuscular
or Intranasal
administration**

Talk to your vet about the flexible range of MSD Animal Health BRD vaccines that can be used on your farm this autumn









COMPANY

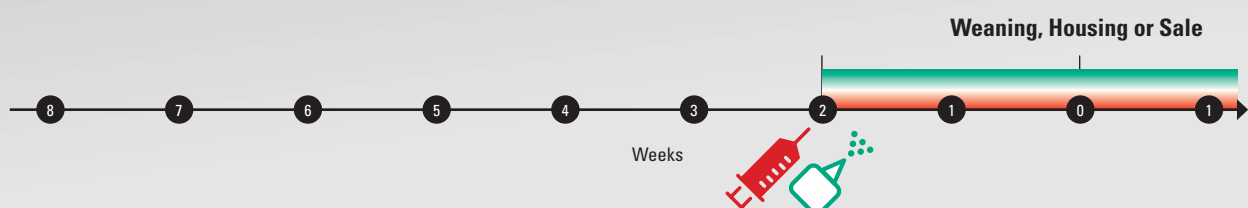
OPTION 1 - VACCINATION PROTOCOL

	VACCINE	RSV	PI3	IBR	<i>Mannheimia haemolytica</i>	VACCINE KEY
	Bovilis Bovipast RSP					
	Bovilis IBR Marker Live					



OPTION 2 - VACCINATION PROTOCOL

	VACCINE	RSV	PI3	IBR	<i>Mannheimia haemolytica</i>	VACCINE KEY
	Bovilis INtranasal RSP Live					
	Bovilis IBR Marker Live					



Pneumonia is the greatest killer of cattle over 1 month of age²



**Bovilis®
INtranasal RSP™ Live**



**Bovilis®
Bovipast RSP**



**Bovilis®
IBR Marker Live**

TALK TO YOUR VET ABOUT THE BOVILIS® VACCINE RANGE

1. Cowley DJB et al, Aspects of bovine herpesvirus infection in dairy and beef herds in the Republic of Ireland. Acta Veterinaria Scandinavica 2011, 53:40.
2. Anon 2019. AFB/DAFM All-Island Animal Disease Surveillance Report 2018.
3. Bareille et al. 2008. Impact technique et économique des troubles respiratoires des jeunes bovins lors de l'engraissement. Rencontres autour des recherches sur les ruminants: 77-80.

**Mannheimia (Pasteurella) haemolytica* A1 and A6

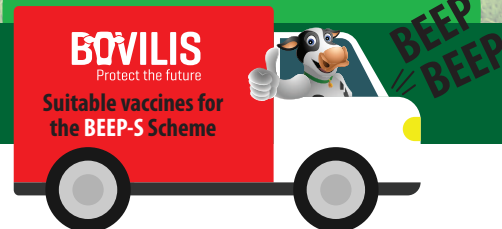
**Calves vaccinated under 3 months of age must be vaccinated via the intranasal route of administration. A booster should be given 3-4 months later.

Bovilis IBR Marker live contains live, attenuated IBR marker vaccine BHV-1 strain GK/D (gE-). For the active immunisation of cattle against infectious bovine rhinotracheitis virus. Bovilis Bovipast® RSP contains inact. BRS Virus strain EV908, PI-3 Virus strain SF-4 Reisinger and Mannheimia haemolytica A1 strain M4/1. Bovilis INtranasal RSP Live: contains live, bovine respiratory syncytial virus (BRSV), strain Jencine-2013, live bovine parainfluenza virus type 3 (PI3), strain INT2-2013.

Withdrawal periods: Zero days. Legal Categories: RO1 [POME] NI [POM-V]

Use medicines responsibly

For further information see SPC, contact prescriber or
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f MSD Animal Health Ireland - Cattle & Sheep

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For more information visit
bovilis.ie



MSD
Animal Health